

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111120\
 Data File : VW017167.D
 Acq On : 11 Nov 2020 16:35
 Operator : SY/VA
 Sample : L4693-20
 Misc : 5.99G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E6

Quant Time: Nov 12 05:53:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 12 03:07:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	491406	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	436264	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	203935	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	135022	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	2.90	69	114232	23.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.80%
10) 1,1-Dichloroethene-d2	4.03	63	184970	16.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.84%
20) 2-Butanone-d5	7.09	46	46014	33.24	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.48%
24) Chloroform-d	7.65	84	265435	23.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	8.31	65	127823	22.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.64%
29) Benzene-d6	8.28	84	532528	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	9.27	67	144801	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.24%
37) Toluene-d8	10.33	98	510848	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.56%
38) trans-1,3-Dichloropropene-	10.58	79	56811	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.04%
39) 2-Hexanone-d5	10.93	63	38041	35.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106766	19.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	174162	24.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.96%

Target Compounds

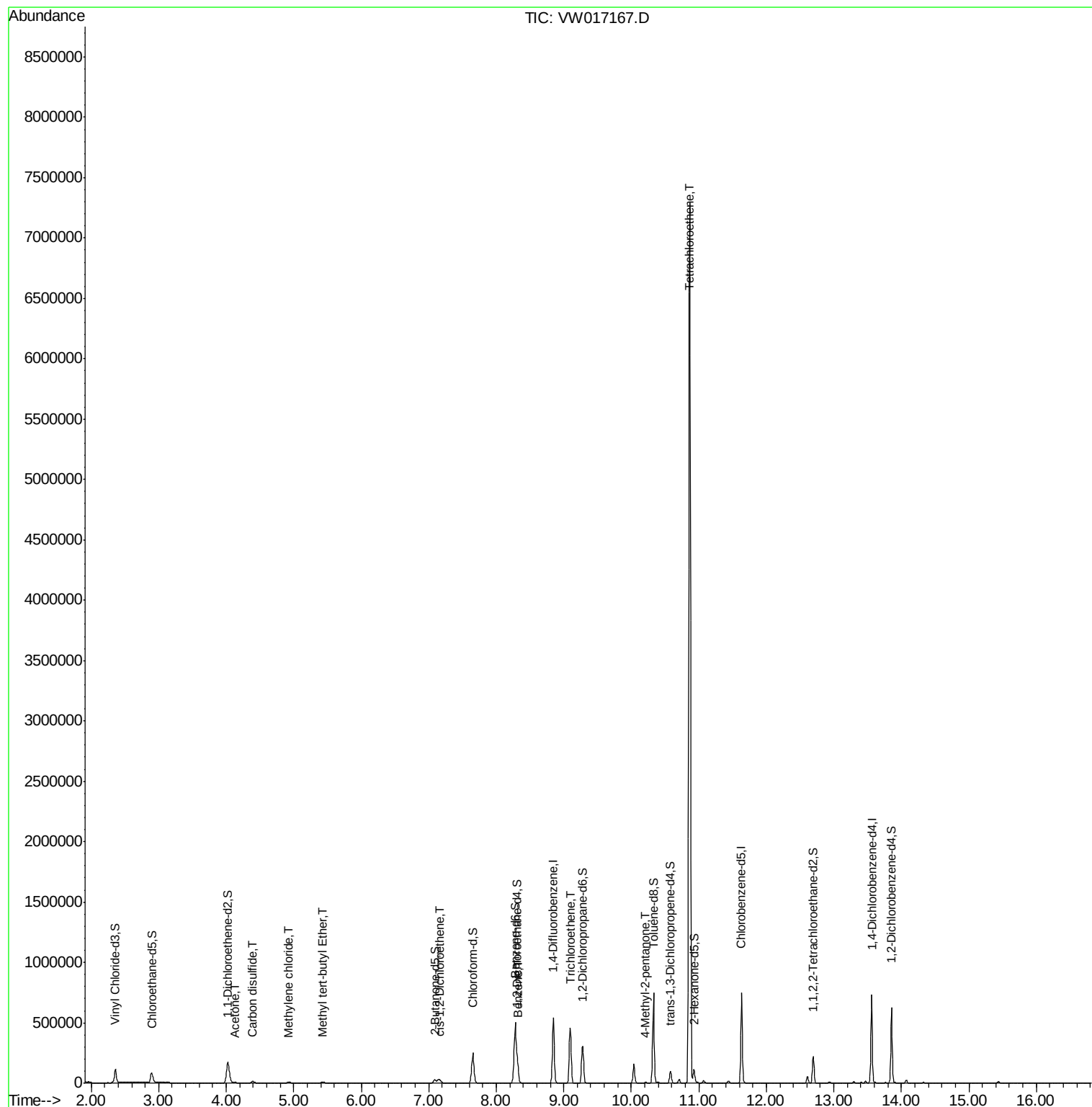
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.14	43	6847	7.388	ug/L	68
14) Carbon disulfide	4.39	76	29846	1.798	ug/L	97
16) Methylene chloride	4.93	84	6498	0.981	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	15653	2.102	ug/L #	86
22) cis-1,2-Dichloroethene	7.17	96	4819	0.722	ug/L	92
34) Benzene	8.32	78	25171	1.099	ug/L	100
35) Trichloroethene	9.10	95	159498	24.855	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	4076	1.234	ug/L	98
47) Tetrachloroethene	10.87	164	1695681	292.877	ug/L	96

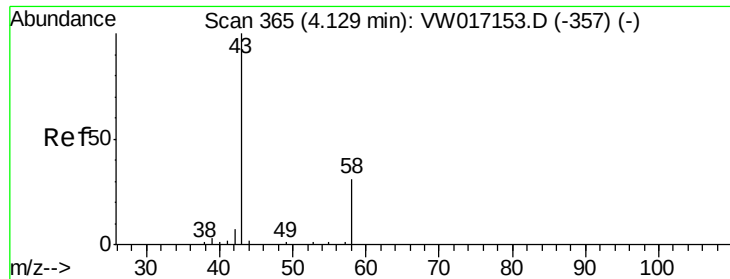
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 7.388 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW017167.D

Acq: 11 Nov 2020 16:35

Instrument :

MSVOA_W

ClientSampleId :

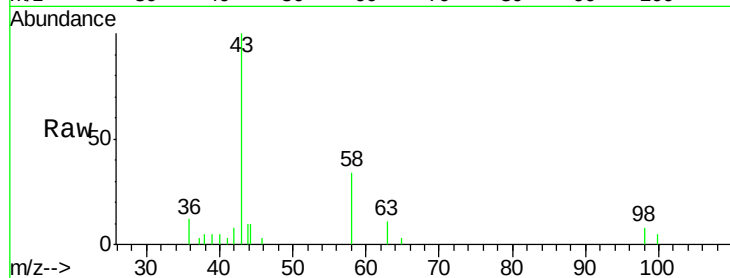
BG4E6

Tot Ion: 43 Resp: 6847

Ion Ratio Lower Upper

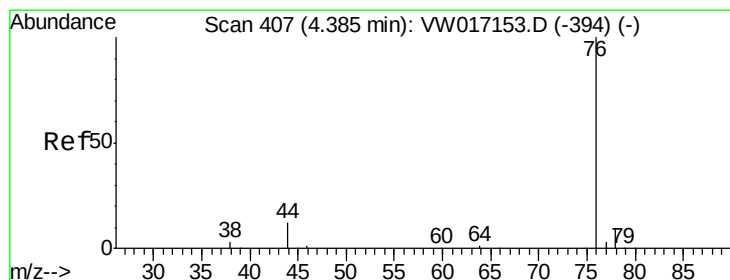
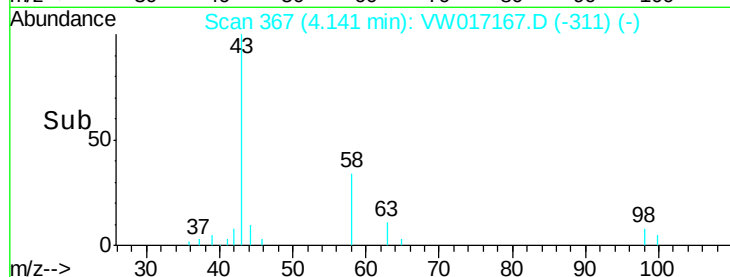
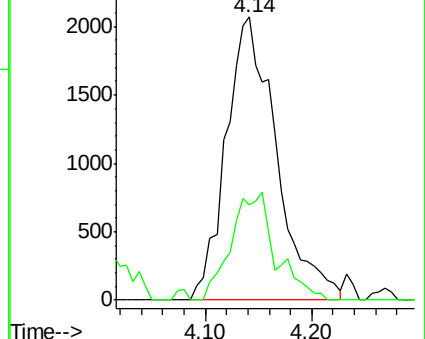
43 100

58 15.9 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.798 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017167.D

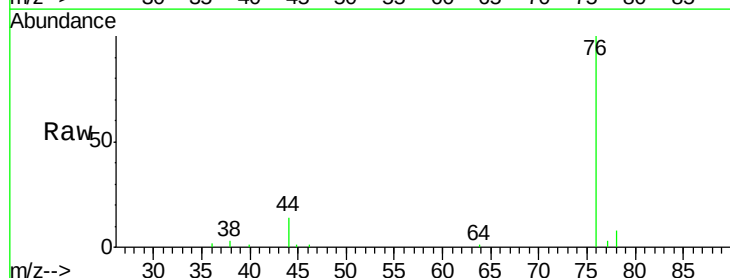
Acq: 11 Nov 2020 16:35

Tgt Ion: 76 Resp: 29846

Ion Ratio Lower Upper

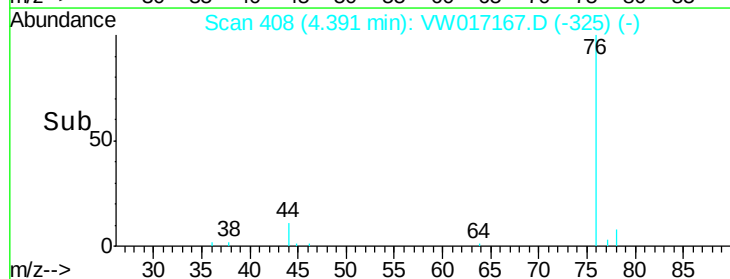
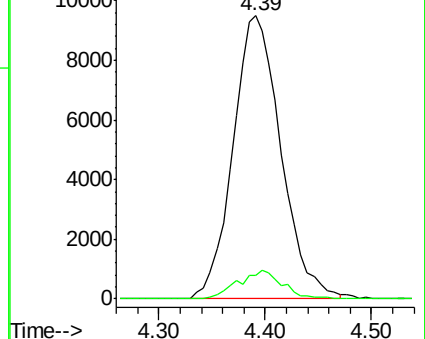
76 100

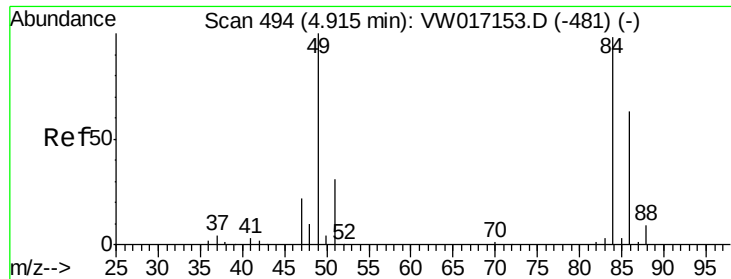
78 8.2 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

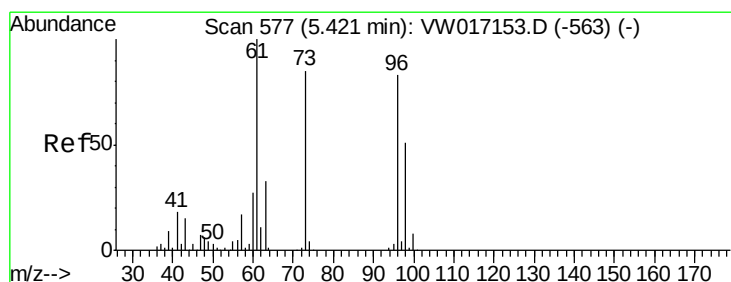
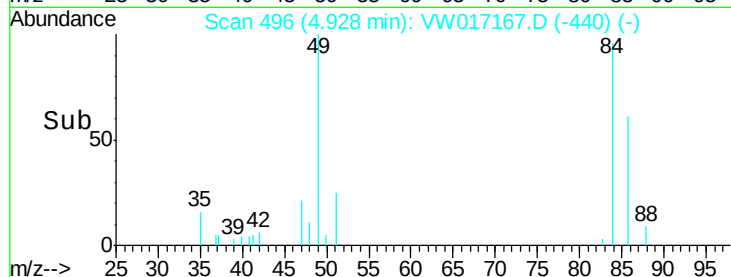
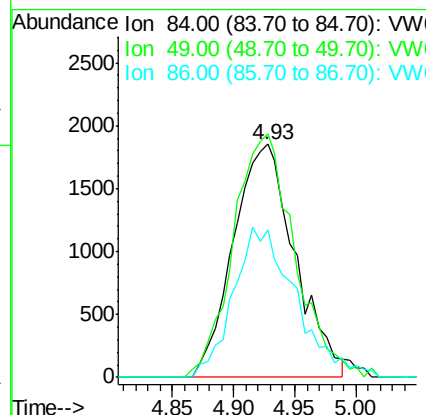
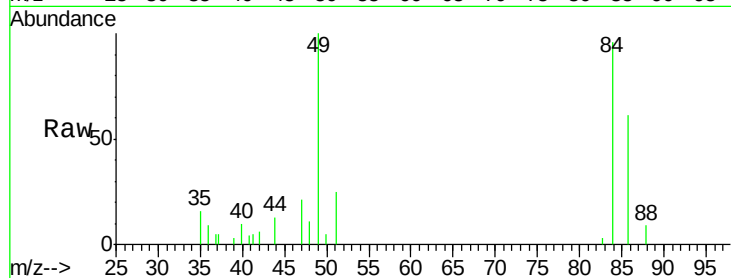




#16
Methylene chloride
Concen: 0.981 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017167.D
Acq: 11 Nov 2020 16:35

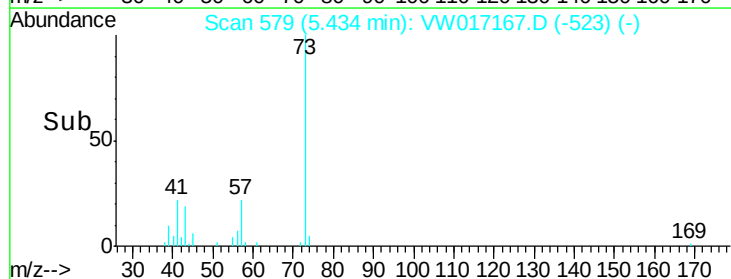
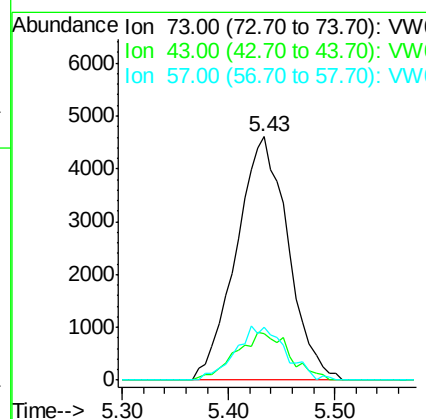
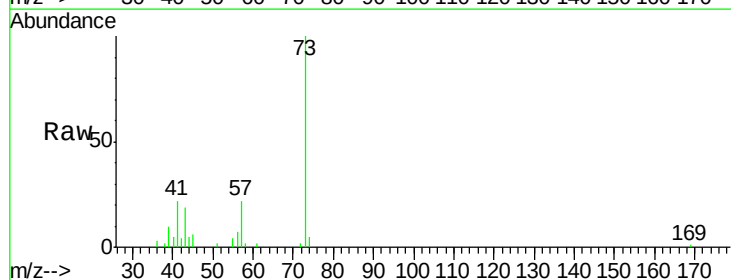
Instrument :
MSVOA_W
ClientSampled :
BG4E6

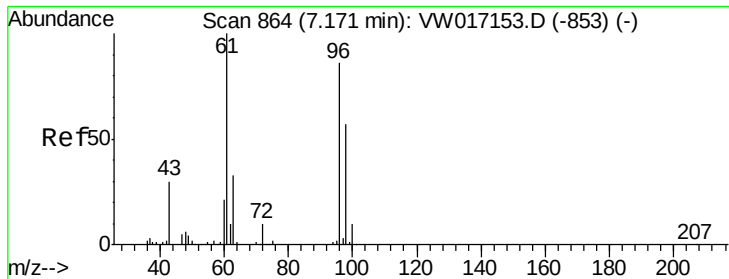
Tot Ion: 84 Resp: 6498
Ion Ratio Lower Upper
84 100
49 104.4 72.3 134.3
86 63.5 45.1 83.7



#17
Methyl tert-butyl Ether
Concen: 2.102 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017167.D
Acq: 11 Nov 2020 16:35

Tgt Ion: 73 Resp: 15653
Ion Ratio Lower Upper
73 100
43 15.1 14.5 21.7
57 10.6 16.3 24.5#



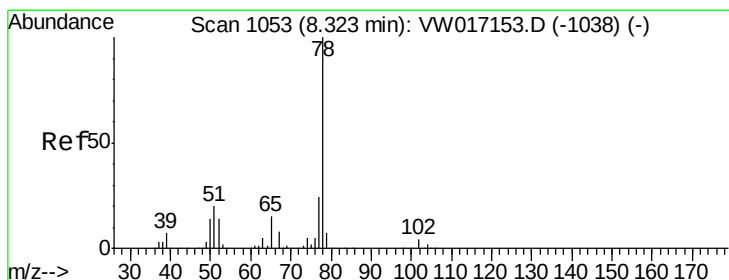
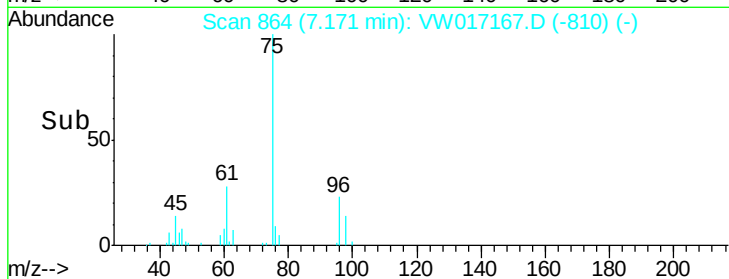
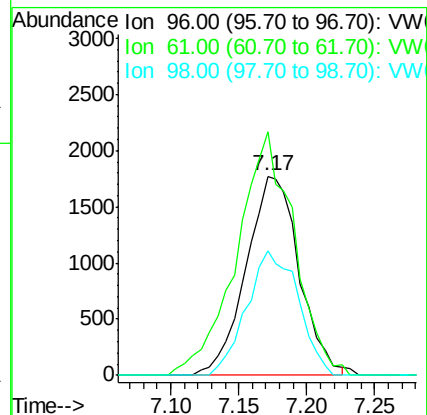
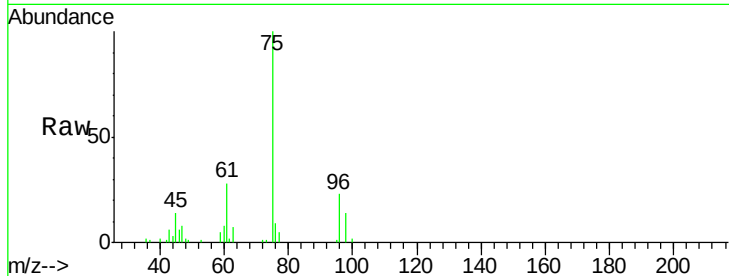


#22

cis-1,2-Dichloroethene
Concen: 0.722 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017167.D
Acq: 11 Nov 2020 16:35

Instrument :
MSVOA_W
ClientSampled :
BG4E6

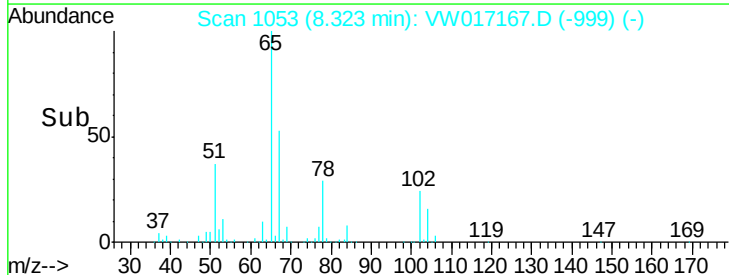
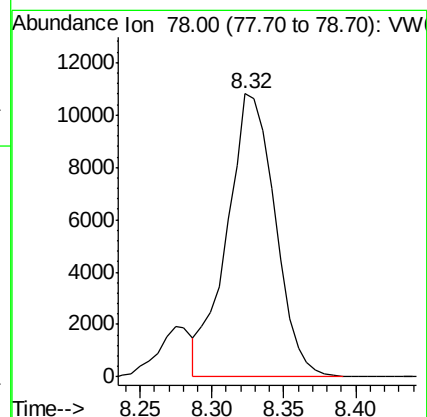
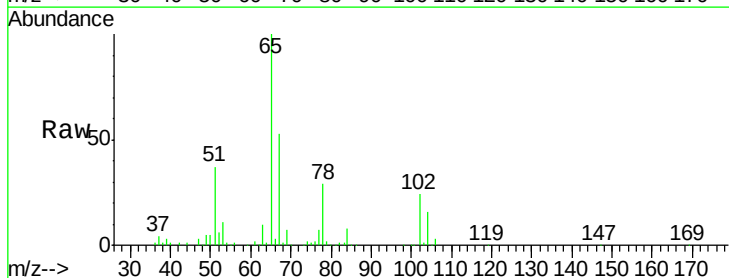
Tot Ion: 96 Resp: 4819
Ion Ratio Lower Upper
96 100
61 122.4 77.4 143.8
98 62.8 45.1 83.7

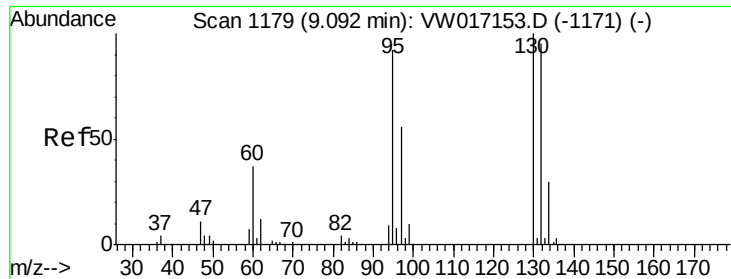


#34

Benzene
Concen: 1.099 ug/L
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW017167.D
Acq: 11 Nov 2020 16:35

Tgt Ion: 78 Resp: 25171





#35

Trichloroethene

Concen: 24.855 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017167.D

Acq: 11 Nov 2020 16:35

Instrument :

MSVOA_W

ClientSampled :

BG4E6

Tot Ion: 95 Resp: 159498

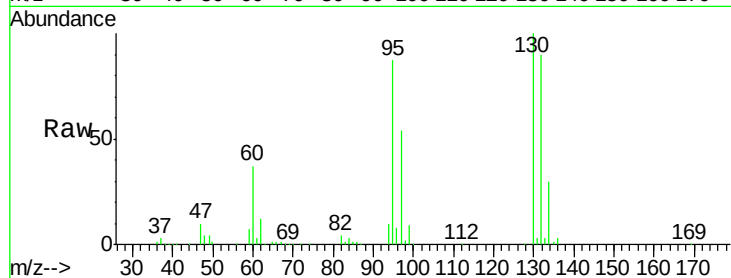
Ion Ratio Lower Upper

95 100

97 63.3 45.0 83.6

132 103.4 73.7 136.9

130 108.5 77.1 143.1

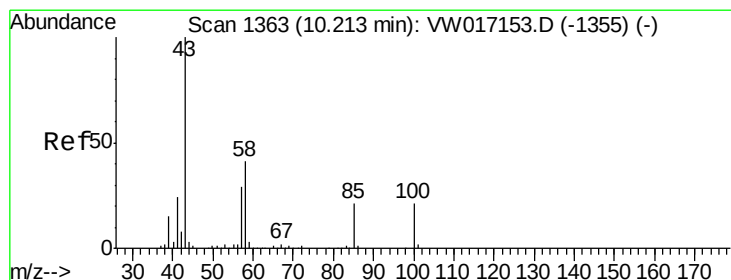
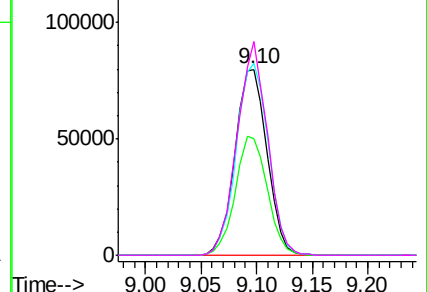
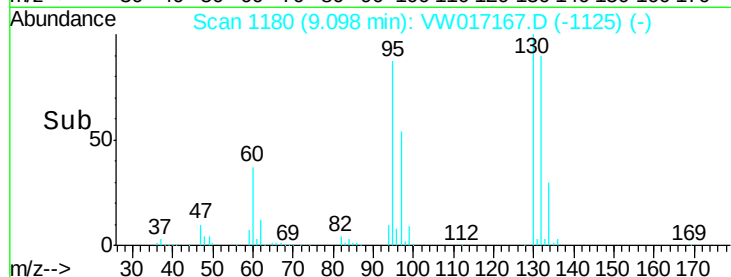


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#43

4-Methyl-2-pentanone

Concen: 1.234 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017167.D

Acq: 11 Nov 2020 16:35

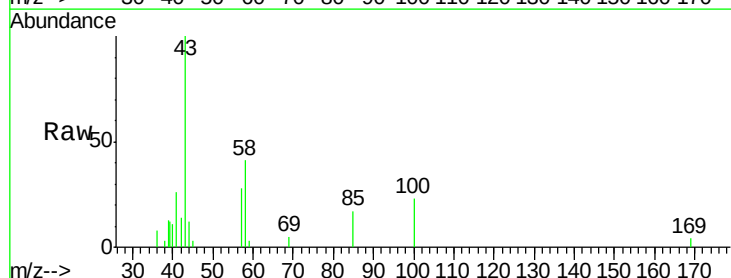
Tgt Ion: 43 Resp: 4076

Ion Ratio Lower Upper

43 100

58 43.5 35.0 52.6

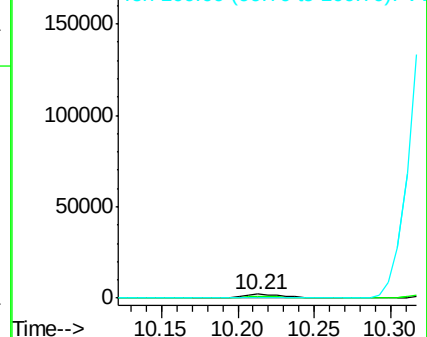
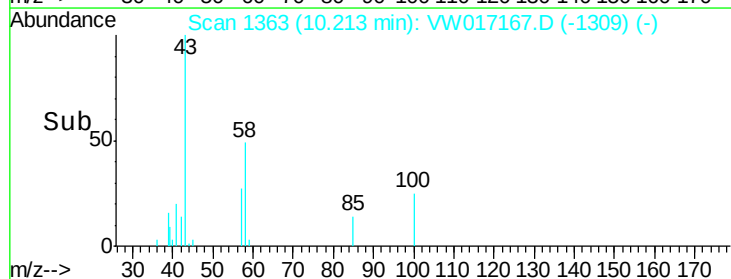
100 23.8 16.6 24.8

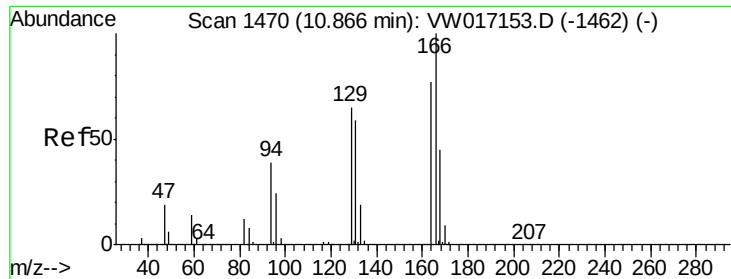


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): V

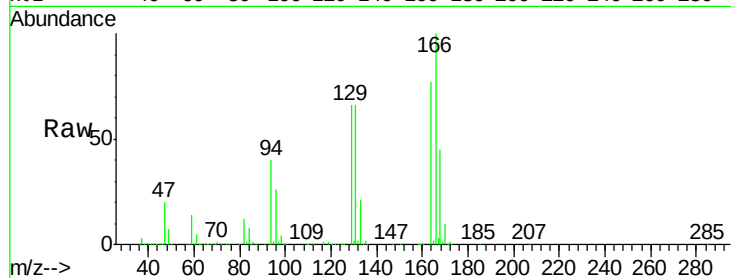




#47
Tetrachloroethene
Concen: 292.877 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017167.D
Acq: 11 Nov 2020 16:35

Instrument :
MSVOA_W
ClientSampleId :
BG4E6

Tot Ion:164 Resp: 1695681
Ion Ratio Lower Upper
164 100
129 85.3 62.9 116.7
131 85.5 63.3 117.5
166 129.2 92.0 170.8



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

